4

5

6

1

2

1

2

3 4

1

HP Ref. No.: 10004919-1

## **CLAIMS**

Having thus described the invention, what is claimed is the following:

A space-saving scanner assembly, comprising:

a housing having a substantially vertical source-contact surface with a channel extending therefrom; and

a flap coupled to the source-contact surface, the flap having a source-backing surface substantially parallel to the source-contact surface of the housing, wherein the source-contact surface, the source-backing surface, and the channel form an opening

7 for receiving an edge of a source to be scanned.

- 2. The assembly of claim 1, wherein a portion of the vertical sourcecontact surface of the housing comprises a platen to permit scanning of a source document in a vertical position.
  - 3. The assembly of claim 1, wherein the housing contains a front panel with an inclined surface adjacent to the opening, the inclined surface forming a wider opening at the surface of the front panel.
  - 4. The assembly of claim 1, wherein the flap includes an inclined surface adjacent to the opening, the inclined surface arranged to increase the opening along a front edge of the flap, wherein the front edge is substantially perpendicular to the source-backing surface.
    - 5. The assembly of claim 1, wherein the flap includes a slot.
- 1 6. The assembly of claim 1, wherein the flap includes a clip arranged to receive a portion of a source to be scanned.

California

1

2

3

4

1	7. The assembly of claim 1, wherein the housing further comprises a
2	recess configured to receive a portion of the channel when the source-backing surface
3	is in close proximity to the source-contact surface.

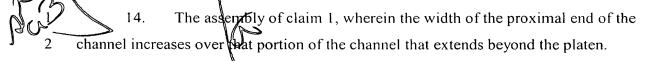
- 8. The assembly of claim 2, wherein the platen has an upper edge, an opposing lower edge, a front edge relatively coexistent with a front panel of the housing and a distal edge and wherein the channel is adjacent to the lower edge of the platen.
- 1 9. The assembly of claim 8, wherein the channel has a first end proximal to a front panel of the housing and a distal end that extends at least to the distal edge of the platen.
- 1 10. The assembly of claim 1, wherein the flap is coupled to the housing with at least one post assembly having a plurality of spatially-separated detent positions.
- 1 11. The assembly of claim 1, wherein the flap is coupled to the housing
  with at least one adjustable fastener for closely contacting the source-backing surface
  to the source-contact surface.
- 12. The assembly of claim 5, wherein the slot is positioned to permit the placement of a relatively short source document on edge on the channel wherein information to be scanned is aligned with at least a portion of the platen.

Sub,

1

2

3 4 13. The assembly of claim 1, wherein the housing is configured to extend the channel from the source-contact surface when an operator adjusts the source-backing surface in relation to the source-contact surface to increase the width of the opening.



Engl

3

- 15. The assembly of claim 1, wherein the channel is coated with a material having a relatively low coefficient of friction.
- 16. A space-saving scanner assembly, comprising:
  means for optically scanning and converting image data into a digital data

representation of a source;

- 4 means for spatially adjusting a source to be scanned with the means for optical scanning; and
- 6 means for supporting the source along an edge of said source during a
  7 scanning operation.
- 1 17. The assembly of claim 16, wherein the source edge support means 2 comprises a channel.
- 1 18. The assembly of claim 16, wherein the adjusting means comprises a 2 slot.
- 1 19. The assembly of claim 16, wherein the adjusting means comprises a
- 2 first inclined surface associated with a housing and a second inclined surface
- 3 associated with a flap.

	<b>\</b>
1	20. A method for saving space on a desktop, comprising:
2	providing an optical scanner having a housing, the housing having a
3	substantially vertical source contact as 6
4	substantially vertical source-contact surface with a channel extending therefrom, the
	vertical source-contact surface including a transparent platen portion, the channel
5	adjacent to a lower edge of the transparent platen; and
6	providing a flap coupled to the source contact surface, the flap having a
7	source-backing surface substantially parallel to the source-contact surface of the
8	housing, wherein the source contact surface of the
9	housing, wherein the source-contact surface, the source-backing surface, and the
-	channel form an opening for receiving an edge of a source to be scanned.
1	The method of all and a control of

- The method of claim 20, further comprising: 21.
- 2 inserting a leading edge of a source to be scanned into the opening formed by the source-contact surface, the flap, and the channel such that source is supported 3 along an edge by the channel. 4
  - 22. The method of claim 21, further comprising: spatially arranging the flap and the housing wherein pressure is applied to a non-scan surface of the source and the scan surface of the source closely contacts the
- platen.

1

2

3

The method of claim 22, further comprising: enabling the optical scanner.

- 1 The method of claim 23, further comprising: 24.
- 2 spatially arranging the flap and the housing wherein pressure is removed from the non-scan surface of the source. 3
  - The method of claim 24, further comprising: 25. removing the source from the opening.